

## Overview

- What is **Project Management 2.0**?
- Example: The Dust Management Project
- How does Project Planning relate to collaborative management?
- How does <u>Earned Value Management</u> reporting relate?
- Dos and Don'ts for success

## What is Project Management 2.0

**Project Management 2.0** is the evolution of project management to incorporate more "collaborative management".



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Strategy, Planning





Collaborative Management,
Tracking
and Reporting.

#### **Example: Dust Management Project**

30 Team Members, 8 Field Centers, 7 Sub-projects mixed employees/contractors, zero direct reports.



# Managing Virtually – The Challenge

## Virtual teams are a difficult to manage:

- Managing by influence, not authority
- Indirect reports
- Competing priorities
- "Out of sight, out of mind" syndrome

## **BEFORE:** How we Managed

		Scheduled	
WBS or	Miles	tone Title completion Date	Status
Milestone ID			
1.1	Project Management		
	Monthly report	Monthly 15th	Completed
1.2	SE&I	1. Planning	
1.2-1	Refine Cradle Schema an	<b>1.</b> 1 1011111116	Completed
	Project Data	by MS Project	
1.2-2*	Baseline R & T Portfolio	by ivis i reject	Completed
	to Requirements – update		
	assessment	2. Day-to-day Tasking	
1.4	Engineering Design Envir		
1.4.1	Regolith Characterization	by email	
RC-1	Physical Properties Downs	5150100	Completed
RC-2	Physical Properties Proto	3. Tracking	On schedule
RC-3*	Progress Report	J. Hacking	On schedule
1.4.2	Environment Characterizati	by Spreadsheet	
1.4.2.1	Dusty Plasma Exosphere	by spreadsneet	
	Modeling		
EC-1	Progress Report	4. Reporting	On schedule
1.4.2.2	Best Practices for Avoida	. •	
	Dusty Plasma Electrical l	by rollups	
EC-2	Progress Report	2/30/00	On schedule

#### **BEFORE: Inherent challenges**

- Too much to keep track
- Occasional "dropped balls"
- Reality different than planned
- In the dark about details
- No easy way to report



## The Solution – for the NASA Dust Management

Project Management 2.0 at NasaTeam.com (based on TeamLeader™) an online workspace for managing virtually.



# Step 1 – We Consolidated Systems into one place – TeamLeader™

#### MS Project Plan

#### baseline tasks

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#### Milestone Spreadsheet

WBS or Milestone ID	Milestone Title	Scheduled completion Date	Status
1.1	Destart Management		
1-1	Project Management Monthly report	Monthly, 15th	Completed.
1.2	SEAI	Josephany, 12th	Compteted
1.2-1	Refine Crudle Schema and Initial		Completed
1,471	Project Data	1/30/08	Compiened
1.2-2*	Baseline R & T Portfolio Mapped		Completed
	to Requirements – update pending TIM and project technical	4/90/08 5/28/08	Companie
1.4	Engineering Design Environments		
1.4.1	Resolith Characterization		
RC-1	Physical Properties Downselect	5/30/08	Completed
RC-Z	Physical Properties Protocols	9/30/08	On schedule
RC-3*	Progress Report	9/30/08	On schedule
1.4.2	Environment Characterization		
1.4.2.1	Dusty Plasma Excephere		
	Modeling		
EC-1	Progress Report	9/30/08	Onschröule
1.4.2.2	Best Practices for Avoidance of Durty Plasma Electrical Hazarda		
EC-Z	Progress Report	9/30/08	On schedule

#### TeamLeader™



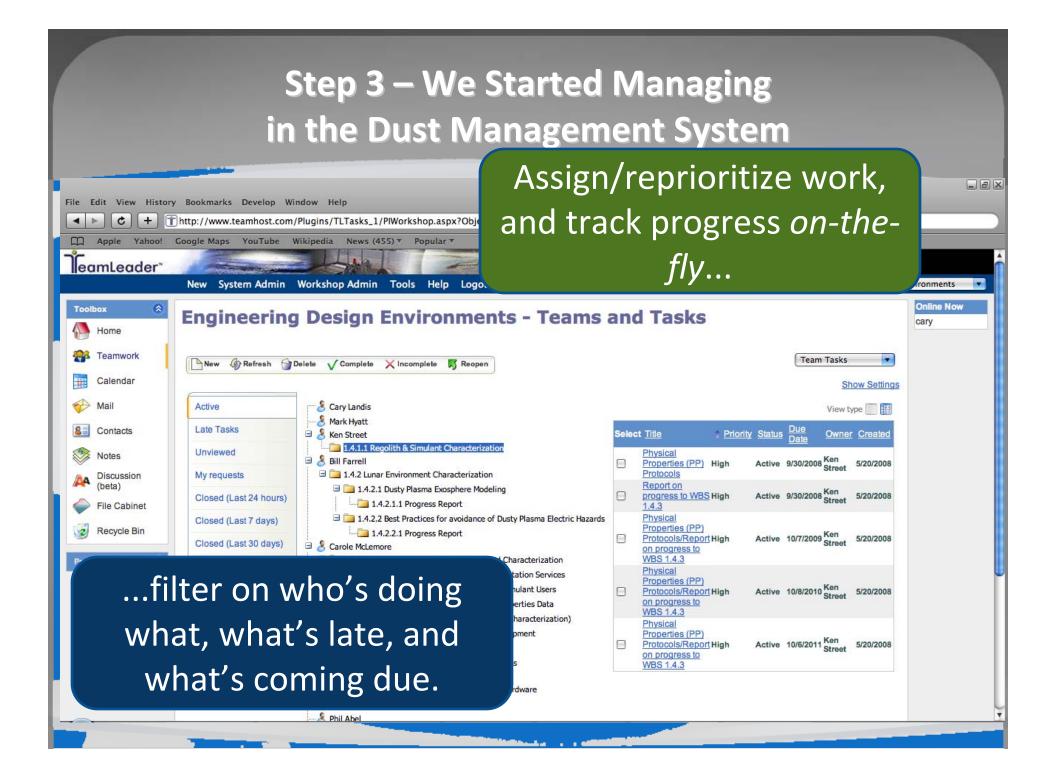


# Step 2 – We Invited Team Members to participate, asking them to keep tasks updated.

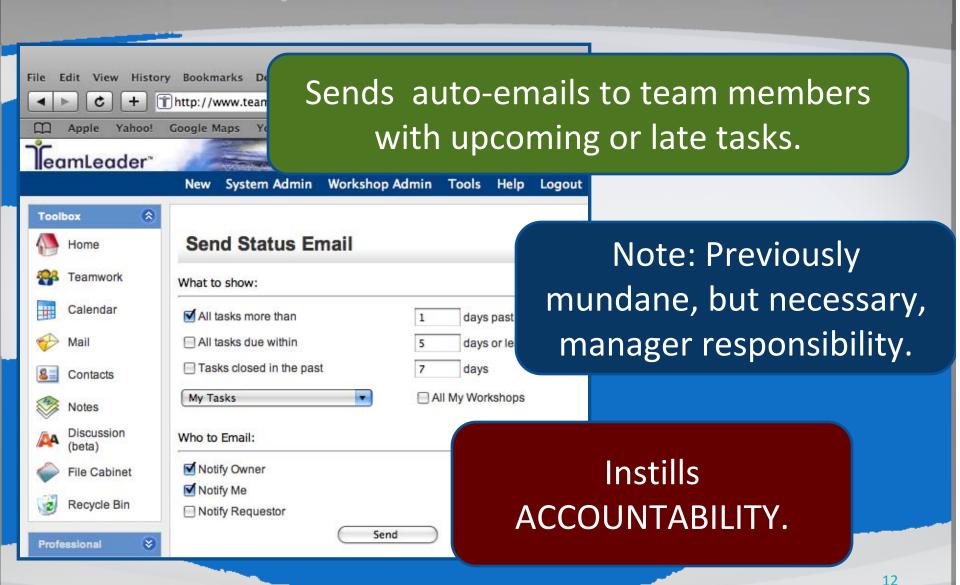


\*\*\* NOTE: Many collaboration implementations stop here, providing little for managers.

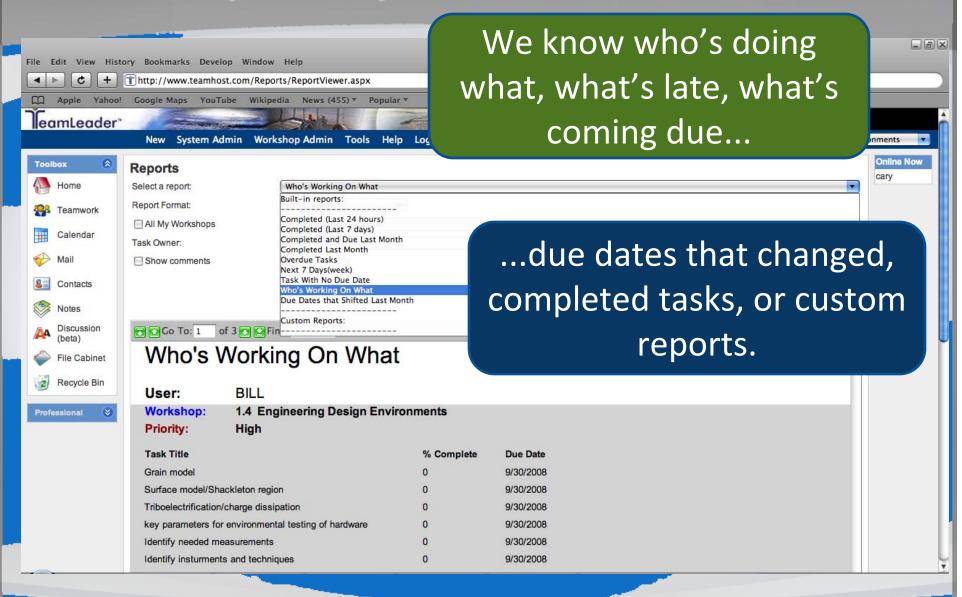




## We implemented auto-reminders...



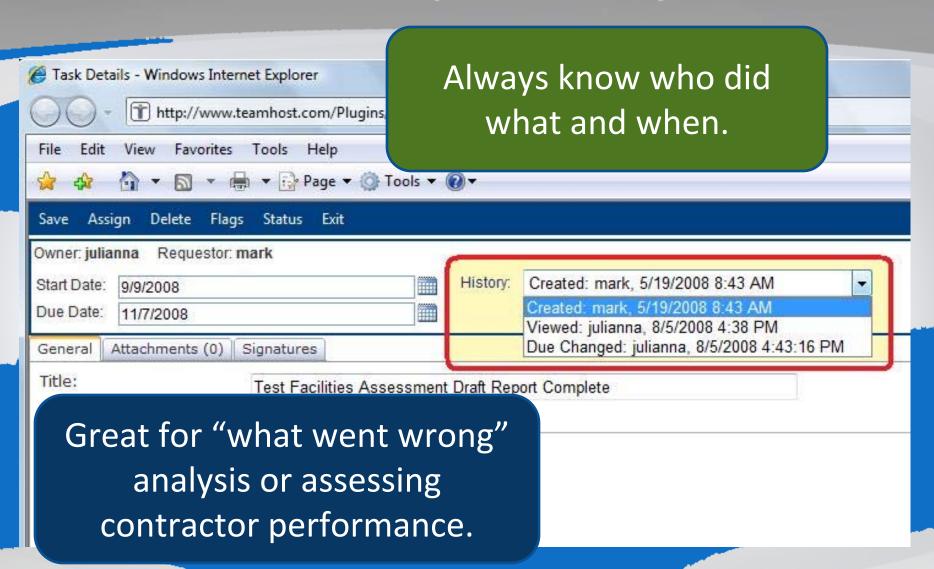
#### Reports anytime we want them...



## We can graph performance trends



#### We can report on history.



## **How NASA Managers benefit?**

- ✓ Stay more in the loop
- ✓ No more "dropped balls"
- ✓ Improved accountability and productivity

# And it has created a <u>consolidated knowledgebase</u> as team members work:

- Knowledge transfer (employee turnover).
- Historical reporting and analysis
- ✓ Reports anytime

## Frequent Questions – Challenges?

Q. What are the challenges of collaborative management?

•Anxiety - of "it's an extra thing to do."

requires breaking "management by email" habits.

•Training – Learning curve of new technology.

## Frequent Questions – Project Plan

Q. Does TeamLeader replace planning?

A. No, TeamLeader is used to **EXECUTE** the plan.

**MS Project™** 

Planning



TeamLeader™

Execution

"The best plan is only a plan, that is, good intentions, unless it degenerates into work."

**Peter Drucker** 

## Frequent Questions – EVM

Q. How does **EVM** and **collaborative** management relate?

Project plan is planned value.

TeamLeader is earned value.

MS Project™

What is planned

TeamLeader™

What is accomplished

## Lessons Learned: Dos and Don'ts

#### Do:

- 1)Facilitate the change
  - Get past anxiety of something new
  - Train and help with the change
- 2) Engage Team members:
  - Turn on proactive email alerts
  - Respond to reports -

E.g. If something shows as complete,

say "thanks". If late, then follow up.

Do NOT:

## **Contact Mark Hyatt**

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